

IMAGING SYSTEM INCLUDING DETECTOR
FRAMING NODE

ABSTRACT OF THE DISCLOSURE

An imaging system includes a programmable detector framing node controlling generation of radiation and controlling radiosopic image detection. Radiosopic image data is acquired and communicated independently of a host computer operating system. The detector framing node controls events in real time according to an event instruction sequence and communicates received radiosopic image data to host memory through a computer communication bus. Image data is received from a selected flat panel detector of a plurality of different flat panel detectors. The image data is selectively reordered according to parameters of the selected flat panel detector before communication to host memory.